

# AI-Powered Printing: Transforming the Future of the Print Industry

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Photo Market Development













# Over 3,000 AI tools for image creation and improvement at your fingertips



Futuretools.io

## "FutureTools Collects & Organizes All The Best AI Tools So YOU Too Can Become Superhuman!"

Search - Try things like "YouTube" or "SEO" to find specific tools for your needs...

- |                                         |                                        |                                         |                                           |                                           |                                                       |
|-----------------------------------------|----------------------------------------|-----------------------------------------|-------------------------------------------|-------------------------------------------|-------------------------------------------------------|
| <input type="checkbox"/> AI Detection   | <input type="checkbox"/> Aggregators   | <input type="checkbox"/> Avatar         | <input type="checkbox"/> Chat             | <input type="checkbox"/> Copywriting      | <input type="checkbox"/> Finance                      |
| <input type="checkbox"/> For Fun        | <input type="checkbox"/> Gaming        | <input type="checkbox"/> Generative Art | <input type="checkbox"/> Generative Code  | <input type="checkbox"/> Generative Video | <input checked="" type="checkbox"/> Image Improvement |
| <input type="checkbox"/> Image Scanning | <input type="checkbox"/> Inspiration   | <input type="checkbox"/> Marketing      | <input type="checkbox"/> Motion Capture   | <input type="checkbox"/> Music            | <input type="checkbox"/> Podcasting                   |
| <input type="checkbox"/> Productivity   | <input type="checkbox"/> Prompt Guides | <input type="checkbox"/> Research       | <input type="checkbox"/> Self-Improvement | <input type="checkbox"/> Social Media     | <input type="checkbox"/> Speech-To-Text               |
| <input type="checkbox"/> Text-To-Speech | <input type="checkbox"/> Text-To-Video | <input type="checkbox"/> Translation    | <input type="checkbox"/> Video Editing    | <input type="checkbox"/> Voice Modulation |                                                       |

☐ Free ☐ Freemium ☐ GitHub ☐ Google Colab ☐ Open Source ☐ Paid

☐ Matt's Picks ☐ Special Offer



Showing 91 of 3039 Total Tools.

Sort (Default - Newest)

**TextBehindImage.site** [↗](#)  
A tool to add text behind image subjects for overlays.  
Image Improvement ↑ 36

**Designify** [↗](#)  
A tool to automate image editing tasks.  
Image Improvement ↑ 19

**Expression Editor** [↗](#)  
A tool for manipulating facial expressions in images.  
Image Improvement ↑ 48

**Sharpen your blurry photos of all kinds** [↗](#)  
A tool to sharpen blurry photos and focus on faces.  
Image Improvement ↑ 54

**PixaMotion** [↗](#)  
An iOS App to animate still images into live photos, wallpapers, and GIFs.  
Image Improvement ↑ 181

**Motionleap** [↗](#)  
An App to animate still images with effects.  
Image Improvement ↑ 125

**Organiser** [↗](#)  
An MacOS App for photo management.  
Image Improvement ↑ 24

**Remove Watermark from your photos with AI** [↗](#)  
A tool to remove watermarks from images while preserving the original quality.  
Image Improvement ↑ 489



# Print providers have increased their AI adoption

38%

of print providers report investing in AI to enhance **operations**, including predictive maintenance, quality control, and supply chain logistics.

25%

Marketing operations

27%

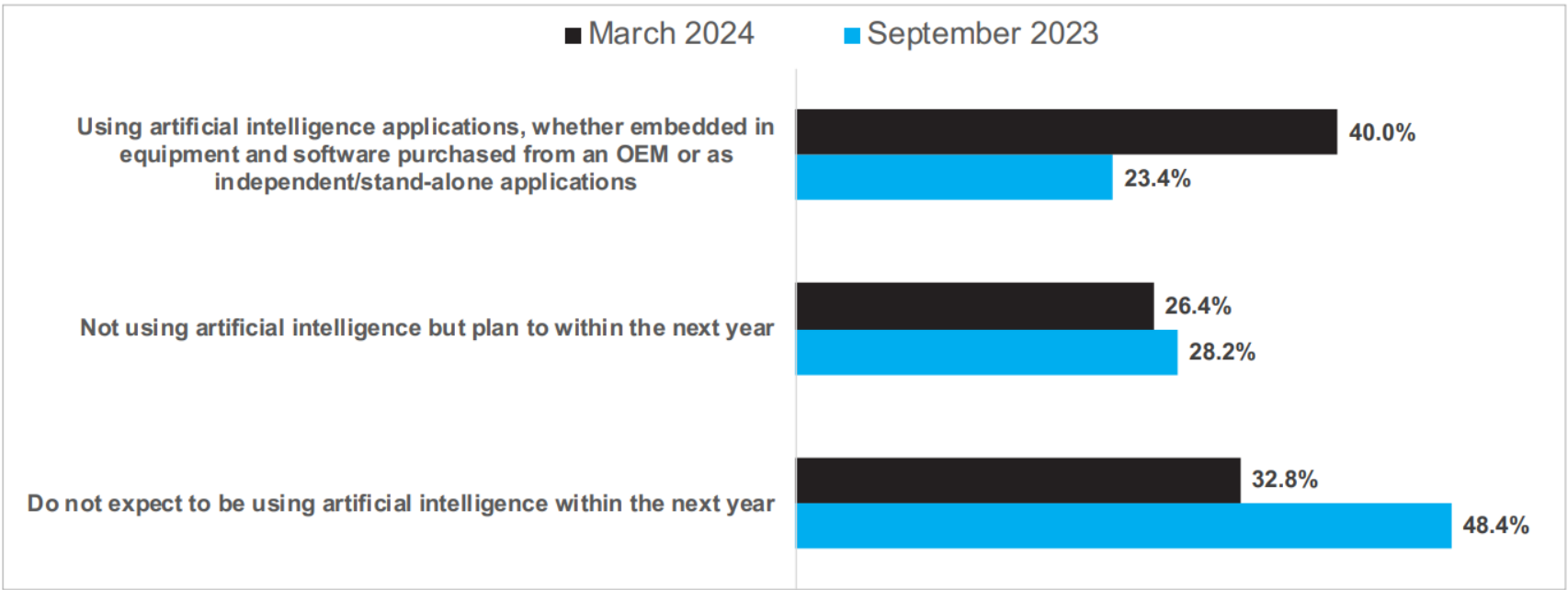
Sales operations

20%

Content creation

Figure 1: Print Providers AI Use is Increasing

Q. Which of the following is true for your company?

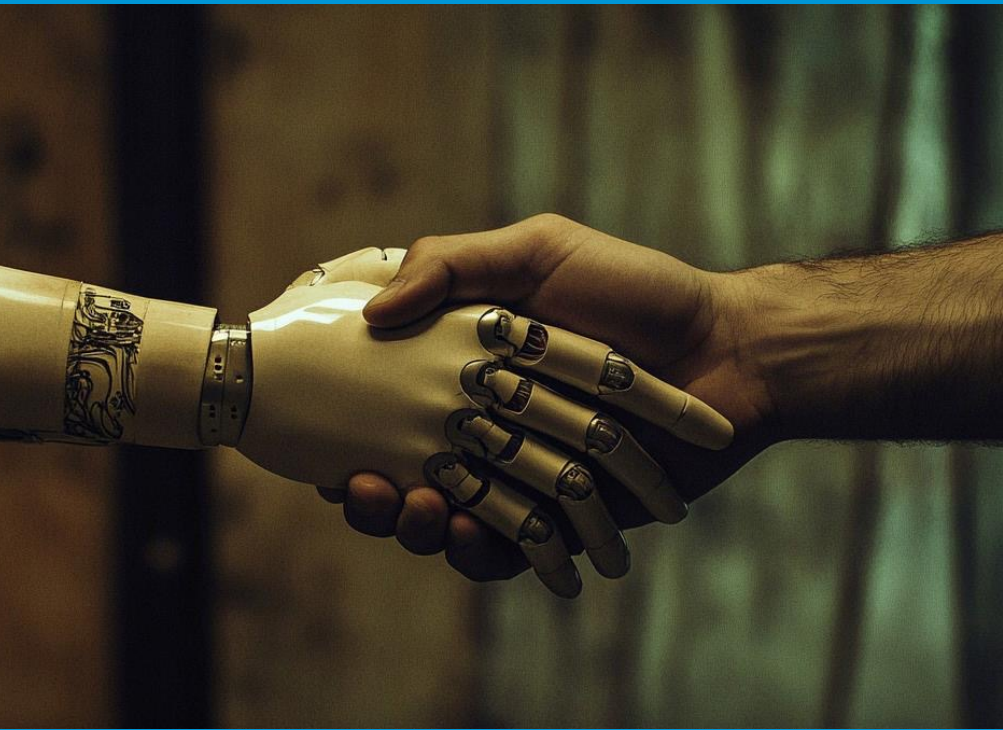


n=191 Print Providers

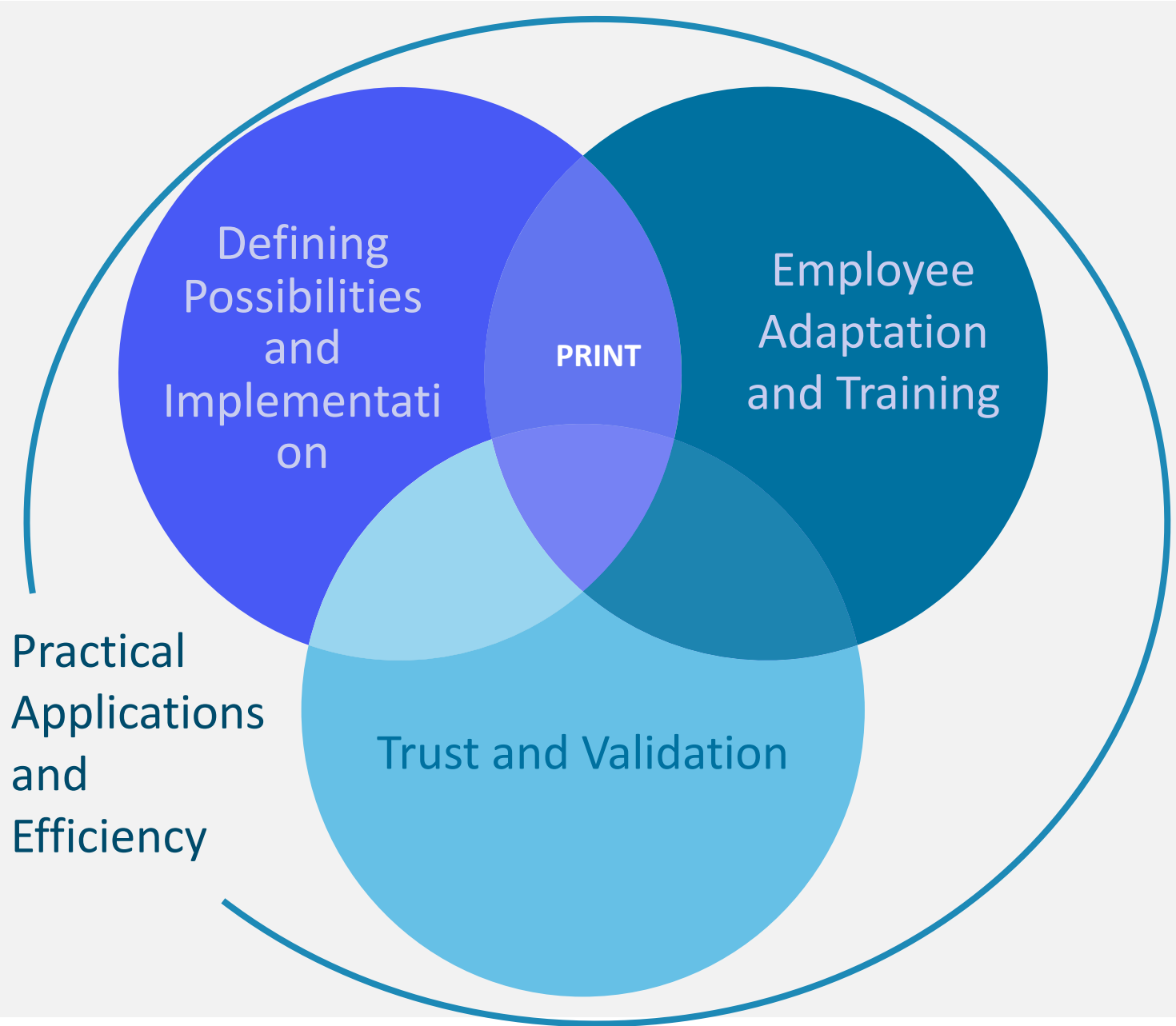
Source: PRINTING United Alliance State of the Industry Surveys, First Quarter 2024 and Third Quarter 2023.



# AI adoption challenges in print



Practical  
Applications  
and  
Efficiency



# Three layers of print automation



End-to-end production automation

Enhancing press performance with  
Software Tools

On-press automation

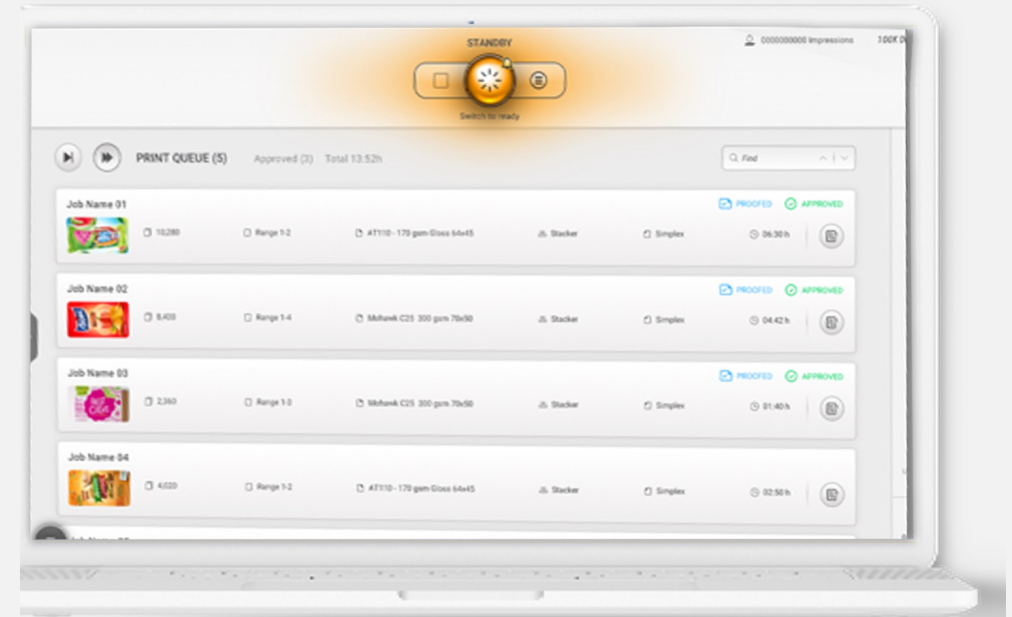
Print  
Automation



# On the Press: Boost productivity with AI-based capabilities

## Auto recovery

At least 15% of failures resolved automatically without requiring operator intervention



# On the Press: Boost productivity with AI-based capabilities

# Automated morning routine (PQ Maestro)

An AI-based software that helps reduce morning procedure to 4 minutes only.



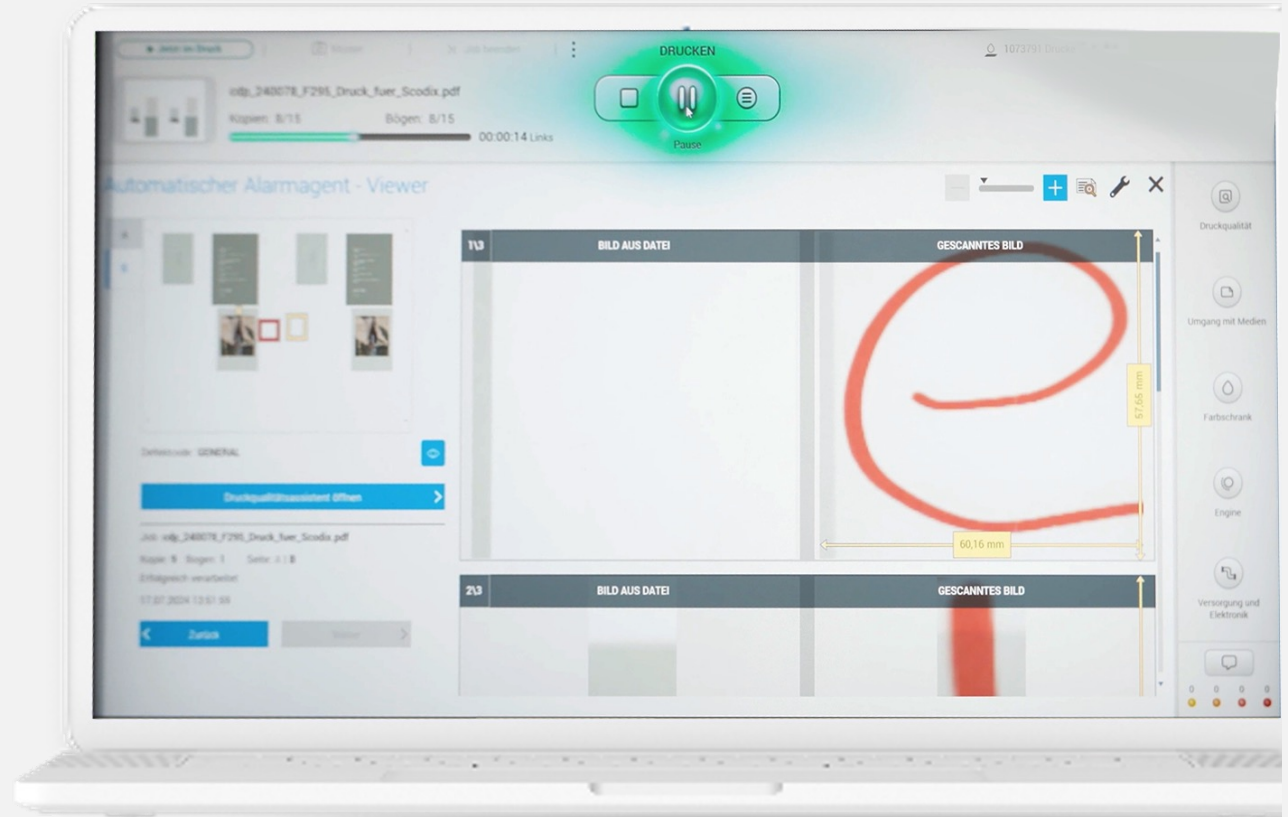


# On the Press: Boost productivity with AI-based capabilities

## Automatic Defect Detection ( AAA 2.0)

Automatic detection of print quality defects, and immediate reprint while disposing of the defective sheets the scrap

Save up to 3 minutes for every detected page



# End-to-end production automation

From order to fulfillment

BUSINESS  
MANAGEMENT AND  
ORDER SUBMISSION



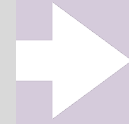
WORKFLOW  
AUTOMATION AND  
ORDER PROCESSING



PRESS  
AUTOMATION



FINISHING  
PARTNERS



FULFILLMENT

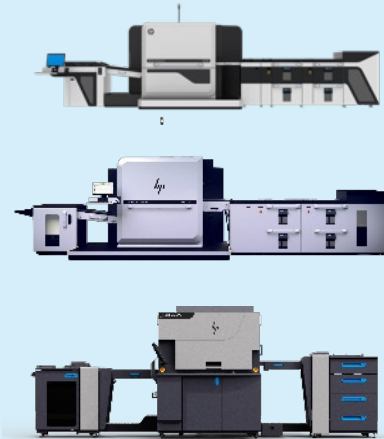
BUSINESS  
MANAGEMENT  
PARTNERS



CREATION AND  
SUBMISSION PARTNERS



PRE-PRESS  
PARTNERS



Embrace automation through every step of print production, leveraging the digital nature of HP Indigo presses



Gain the highest level of production automation with robots transporting jobs and materials across the production floor with innovative partners MoviGo Robotics and IME Automation.



An error-proof shipping module supports the shipping of thousands of orders per day, with full integration with shipping carriers



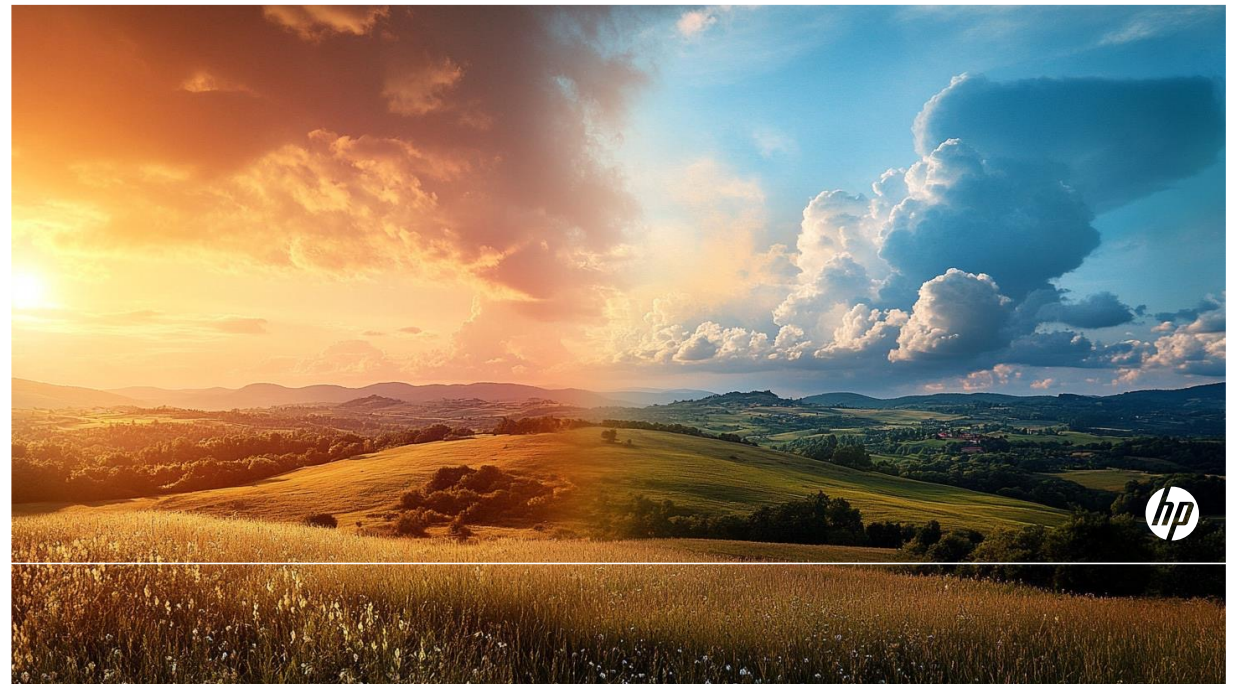


# AI image upscaling

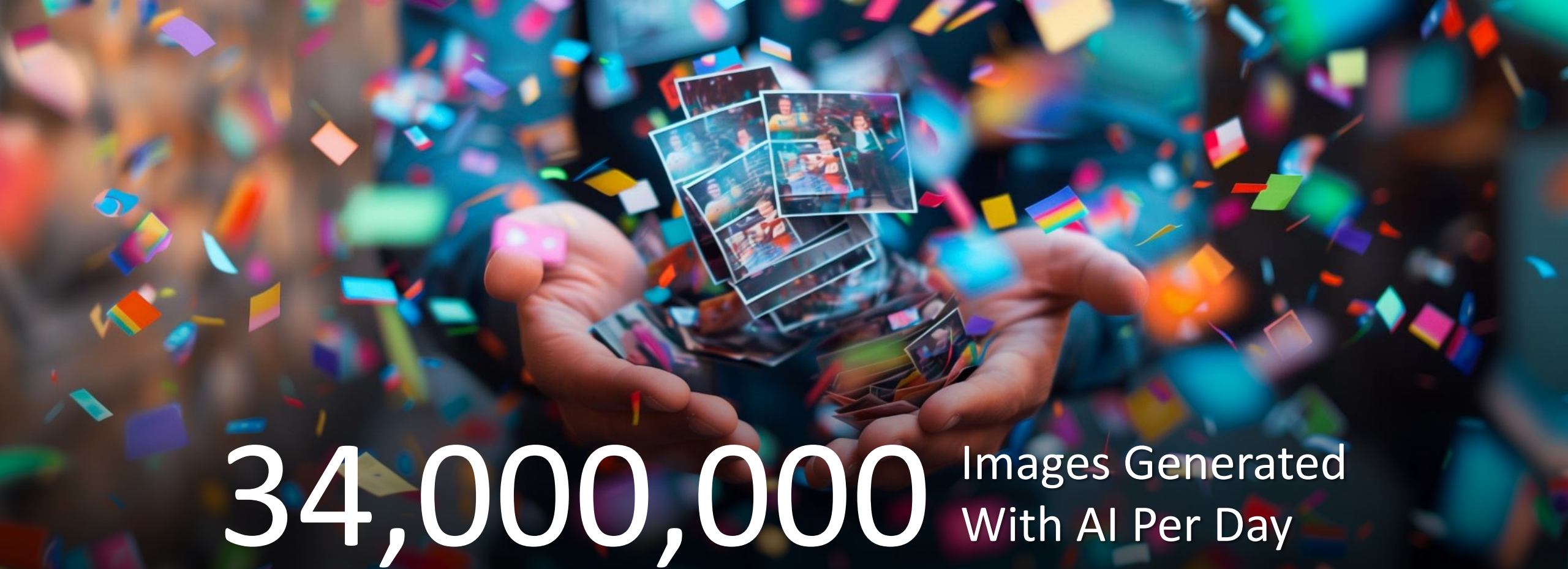


Includes automatic photo enhancement, corrections and creative effects

- AI image enhancement:
  1. AI Preset Selection - analyze the contents of the image, identify lighting conditions, and categorize the scene to apply the best corrections.
  2. AI Image Enhancement - use AI presets
  3. AI Skin Tone Accuracy
- Creative Filters





A pair of hands is shown holding a stack of vintage, slightly faded photographs. The photos depict various scenes, including groups of people and outdoor settings. The background is a dark, out-of-focus space filled with a shower of colorful confetti in shades of blue, green, yellow, and pink, creating a celebratory atmosphere.

34,000,000 Images Generated  
With AI Per Day

AI has already created as many images as  
photographers have taken in 150 years

Source: <https://journal.everypixel.com/ai-image-statistics>







A new playground for creativity



# AI Image generation: from prompts into visuals

A vibrant and artistic representation of nature and wildlife. Dominating the center is a lion, its silhouette intricately merged with a picturesque landscape of pine trees. The lion's mane and body are depicted in warm hues of orange and yellow, contrasting with the cooler tones of the green trees. Viewer. Transitioning from red to orange to blue. Features intricate and exquisite detailing, with a captivating high contrast that showcases a seamless gradient of vibrant hues of deep red, silver and pink, illustration, cinematic, poster, painting.





# LoRA machine learning using pre-trained models

Prompt:

Highly detailed portrait of sks person, rei ayanami from neon evangelion, studio ghibli, stephen bliss, unreal engine, loish, rhads, makoto shinkai and lois van baarle,.





# What is the right recipe to get your AI generated artwork?







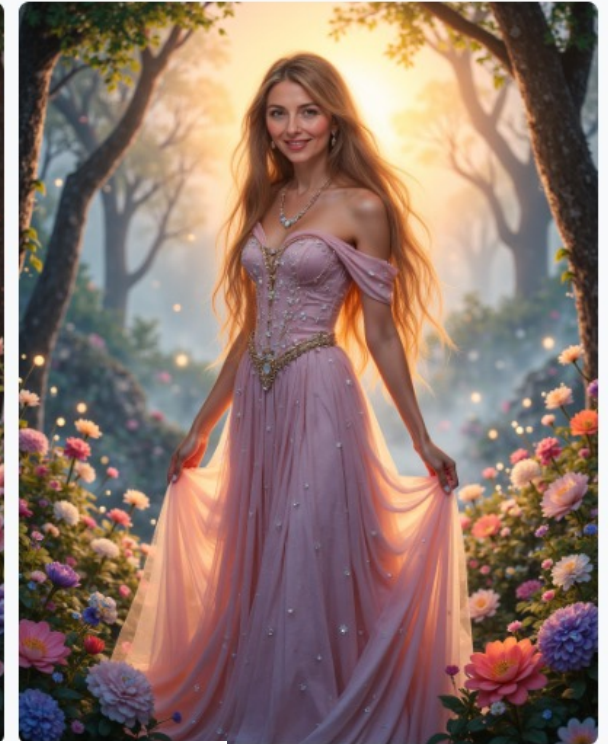
1

# Integrate between AI tools



<lora:1876367:1.0> ohwx woman as a Disney-inspired princess in a vibrant, magical setting. She has long, flowing hair adorned with sparkling jewels and wears an elegant gown that glimmers with intricate details and pastel hues. Her pose exudes grace and confidence as she stands amidst an enchanting forest, surrounded by glowing fireflies, colorful flowers, and a soft mist that adds an air of mystery. The scene is lit by a dreamy, golden sunset that enhances the magical atmosphere, making the princess the centerpiece of the fantastical world. Render the artwork in a storybook style, rich in color and texture, evoking a sense of wonder and enchantment.

Size: 896x1152   euler\_a   Super-Resolution   Inpaint Faces   Model: [Flux.1 dev](#)   lora: [Sima](#)



Write me a description for Disney princess picture for AI image generation









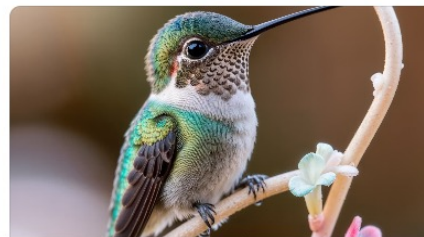
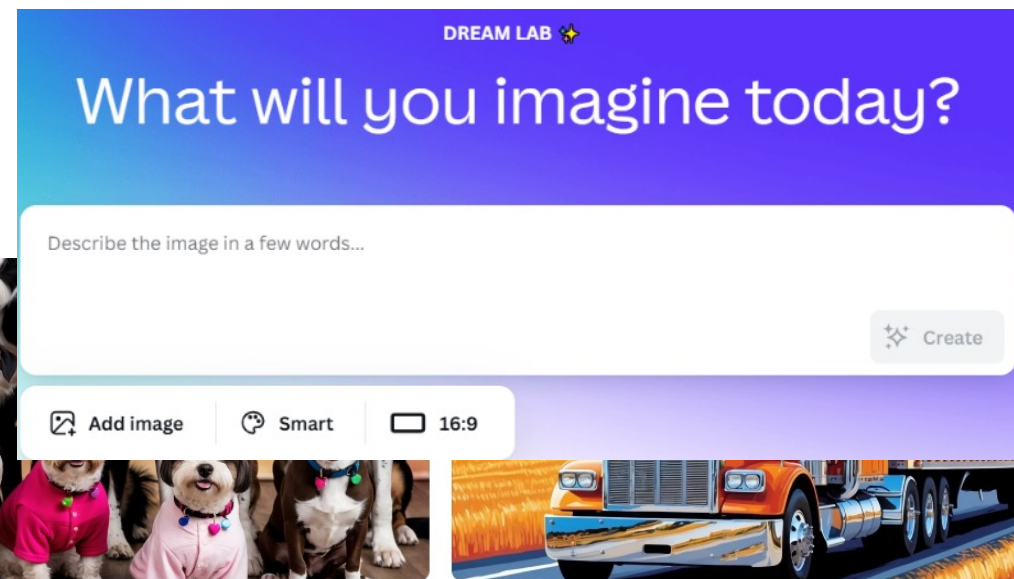
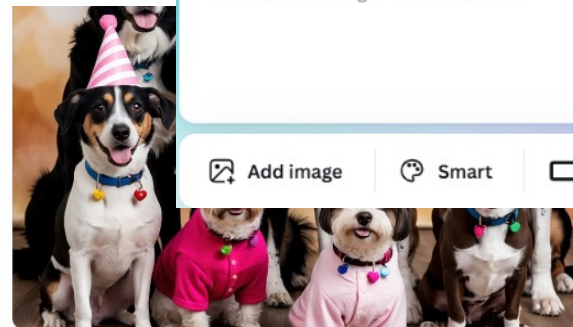
# Unlock AI-Generated print art with leading design platforms

**\$6B** Designs created  
each year

**220M** Monthly Active  
Users

**190** Countries  
worldwide

Canva



# Unlock AI-Generated print art with leading design platforms



**680M**

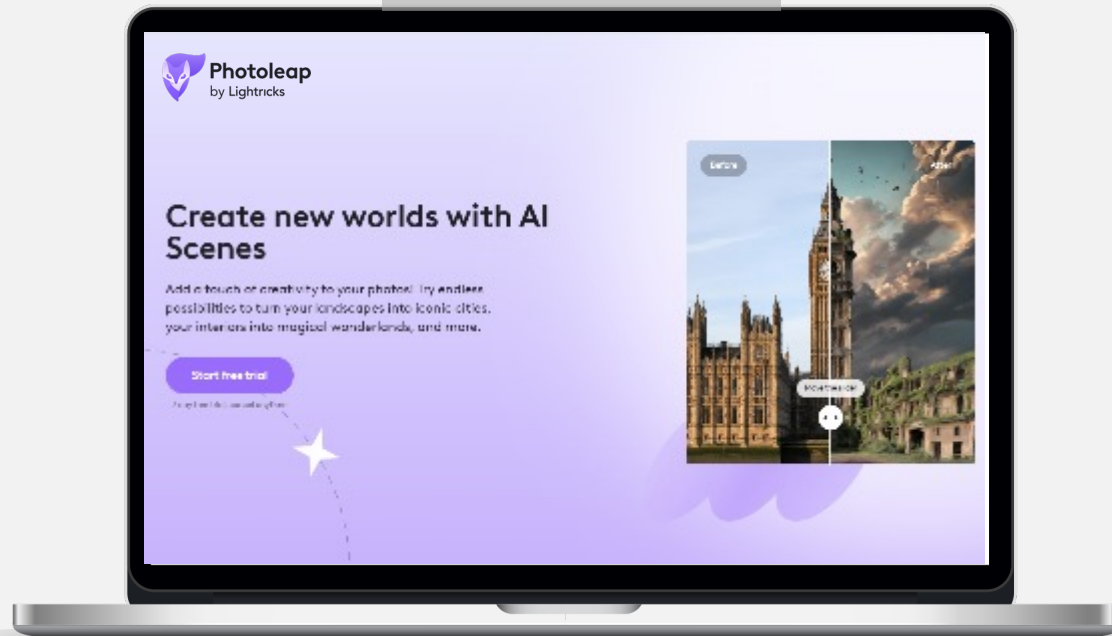
App downloads

**30M**

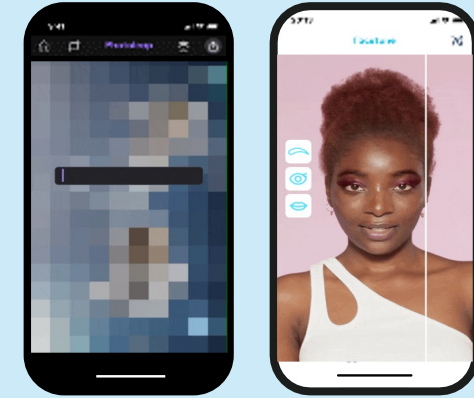
Monthly active creators

**100M**

Monthly exports



Lightricks added “print” button to the app through partnership with Zazzle



Driving digital print demand and revenue growth

HP Indigo is creating biz dev for our costumers





 **You**  
drums

 **Sticker Whiz**



Here's your vibrant and colorful drum set sticker design! If you're ready to get this design printed as die-cut stickers, you can specify the quantity and size you'd like.

Would you like to proceed with ordering these stickers or modify the design further?



Share

Save

<https://chatgpt.com/g/g-gPRWpLspC-sticker-whiz>

 **Sticker Whiz**

Great! To order your stickers, you'll need to decide on the quantity and the size for each sticker. A common size for die-cut stickers is around 3 inches for the longest side, which works well for detailed designs like this one, but you can choose any size that fits your needs.

Could you let me know how many stickers you'd like and what size you're thinking of? If you're unsure about the size, feel free to ask for recommendations!

Share

Save

 **You**  
50 common size

 **Sticker Whiz**

For a common size, let's go with 3 inches for the longest side. This size is versatile and makes the details of your drum set design stand out, perfect for laptops, notebooks, or as gifts.

Here's the link to order 50 die-cut stickers with a 3-inch size:

[Order 50 Die-Cut Stickers \(3 inches\)](#)

Click the link to upload your sticker design and complete your order. Enjoy your custom drum set stickers!



Share

Save

 | Message Sticker Whiz...



## Die cut stickers ★★★★★ 76,699 reviews

Custom die cut stickers are a fast and easy way to promote your business, brand or event. Thick, durable vinyl protects your stickers from scratches, water & sunlight.

Order samples



### Select a size ⓘ

- ☒ 2" x 2"
- ☐ 3" x 3"
- ☐ 4" x 4"
- ☐ 5" x 5"
- ☐ Custom size

### Select a quantity

- |                                       |         |          |
|---------------------------------------|---------|----------|
| <input checked="" type="radio"/> 50   | \$60    |          |
| <input type="radio"/> 100             | \$73    | Save 39% |
| <input type="radio"/> 200             | \$95    | Save 60% |
| <input type="radio"/> 300             | \$115   | Save 68% |
| <input type="radio"/> 500             | \$152   | Save 75% |
| <input type="radio"/> 1,000           | \$232   | Save 81% |
| <input type="radio"/> 2,000           | \$371   | Save 85% |
| <input type="radio"/> 3,000           | \$496   | Save 86% |
| <input type="radio"/> 5,000           | \$723   | Save 88% |
| <input type="radio"/> 10,000          | \$1,225 | Save 90% |
| <input type="radio"/> Custom quantity |         |          |

Continue

Next: upload artwork →





1

## Upload your photos

We need minimal 10 different photos to train the generator. [View guidelines](#)

Masculine

Feminine

Dog

Cat

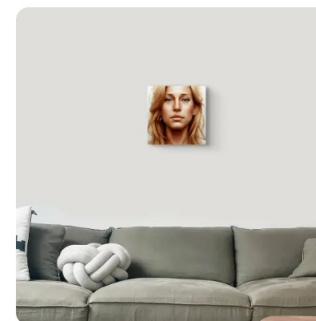


3

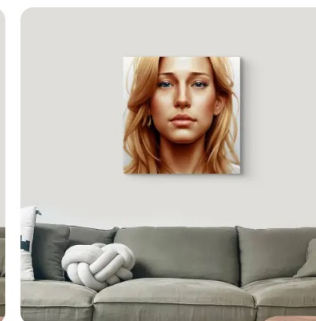
Optional

## Turn your art into a print with easy wall mounting system.

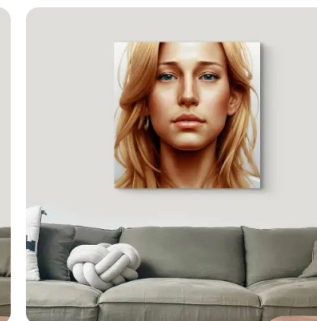
We upscale the resolution of the image so you can turn it easily into a printed canvas on your wall. Perfect as a present for friends and family.



Small 40×40cm  
€45.95



Medium 80×80cm  
€79.95



Large 100×100cm  
€99.95

2

## Download 100+ generated images

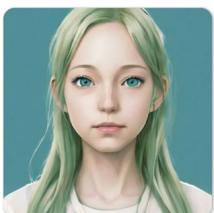
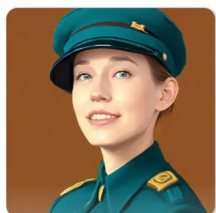
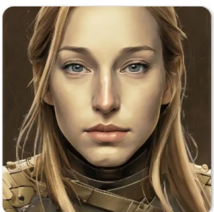
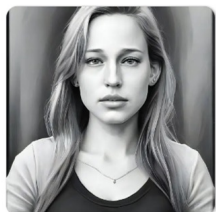
We generate 100+ pieces of art. All artworks are available for download (512×512 pixels).

Masculine

Feminine

Dog

Cat



<https://www.myprint.ai/>

# Prinbox: Integrating AI creativity for E-Commerce web2print



**Printbox**



**MIA**

**IS TURNING 2**

October 10, 2024, 1PM,  
4667 Green Avenue, City, WA  
RSVP: Ann Redd at 788.445.1230



Web to print, Web to pack  
& Brand portals

Variable data and  
Templating platforms

Photo product creation  
platforms

**infigo**

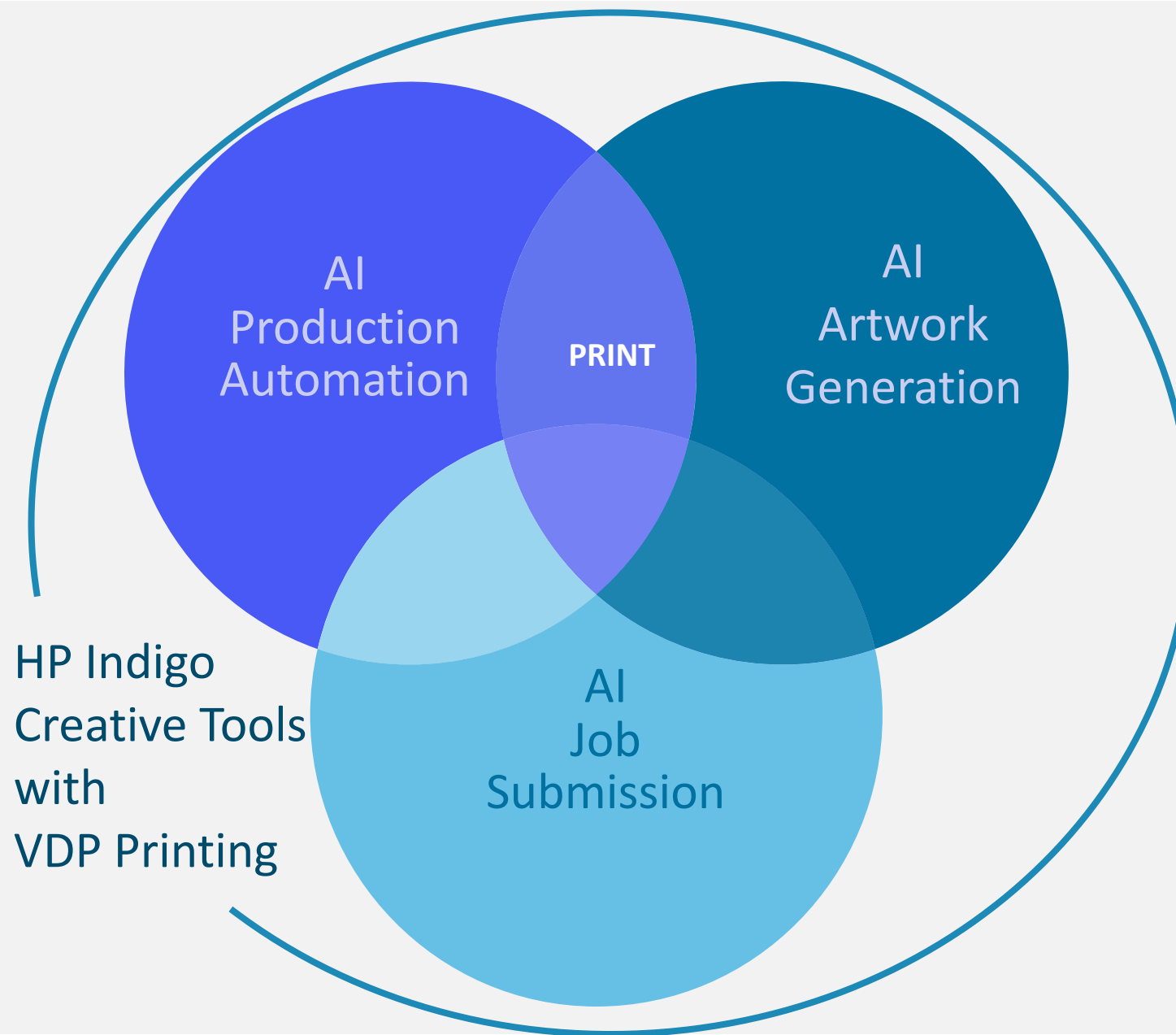
**Printess**

**Printbox**

 **CloudLab**

All these upstream software platforms integrate with HP PrintOS Site Flow, ensuring a seamless order capture and workflow experience.







# Software: HP PrintOS data-driven solutions to automate production

## Productivity Power Pack



Achieve records  
of efficiency, daily

.....  
Monitor your presses in real  
time, anytime, anywhere and  
Continuously improve  
productivity

## Quality Power Pack



Consistently deliver  
perfection

.....  
Achieve consistent results, for  
every job, on any press, as you  
reach quality efficiently

## Creativity Power Pack



Intelligent  
creativity

.....  
Take your customers into a  
new design era, and create  
with ease

## Automation Power Pack

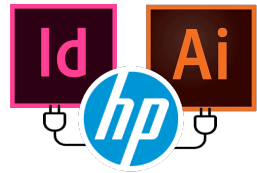


Seize e-commerce  
opportunities

.....  
Get more orders, standardize  
end-to-end, and enjoy an industrial-  
grade production system at your  
service

# The Creativity Power Pack

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**HP SmartStream Designer** is a tool that offers variable data printing personalization creative mass-customization, brand protection to create customized marketing materials while integrating seamlessly with HP's printing systems.

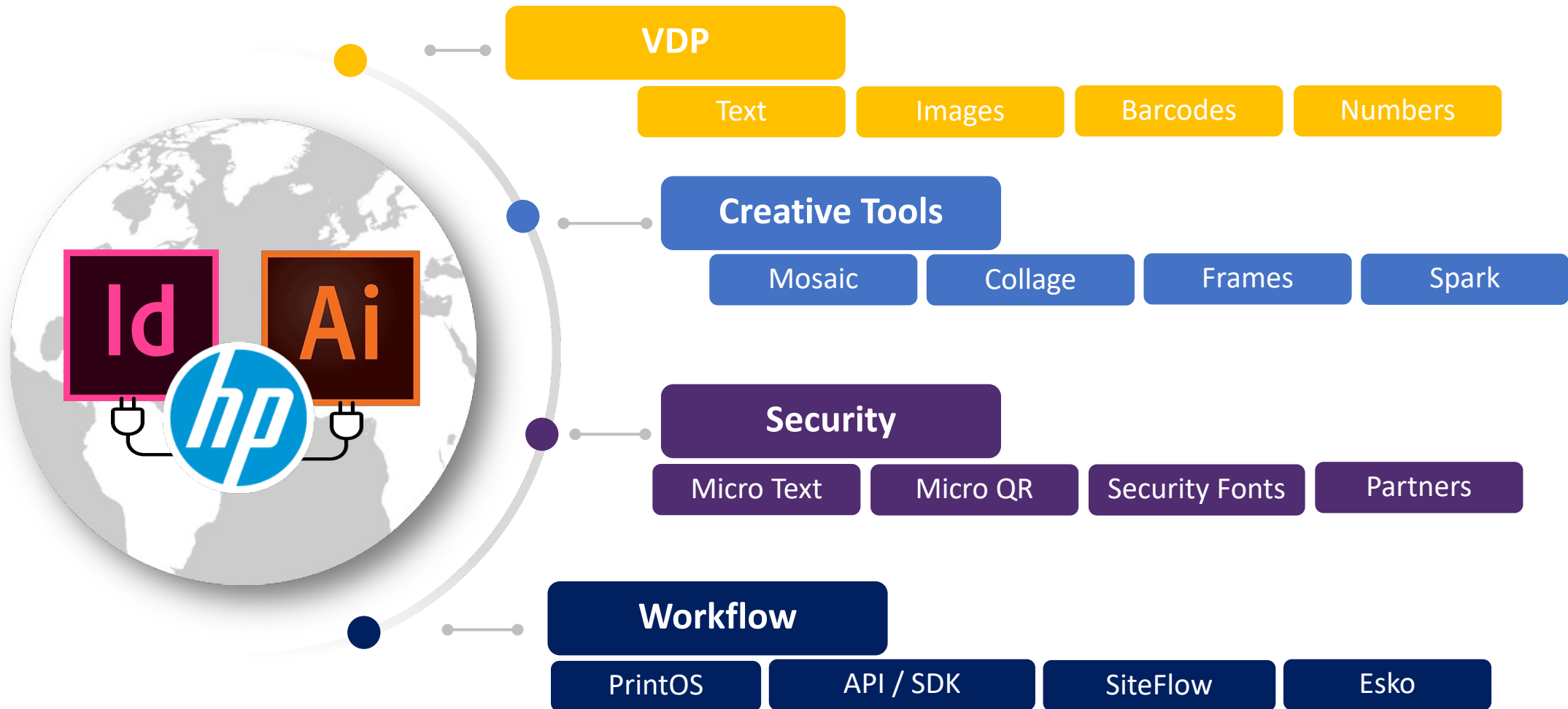


**PrintOS Composer** harnesses the power of the cloud to automatically compose ready-to-print PDF files from sophisticated HP SmartStream Designer design templates and customer database files.

**PrintOS Imposer** automates the print layout and imposition process.



# HP SmartStream Designer



# HP Indigo customers print a diverse range of applications

## The Creativity Power Pack supports them all!

### Labels & Sleeves

- Pressure sensitive
- Sleeves
- Glue applied
- IML

### General Commercial

- Marketing Collateral
- Business Cards
- Books
- Catalogues
- Direct Mail

### Flexible Packaging

- Standup Pouches
- Bags
- Sachets
- Retort & high per'

### Photo

- Photobooks
- Photo Merchandise
- Professional photo
- Consumer cut-prints

### Security & Brand Protection

- Covert, Overt, layered protection
- Track & Trace
- Microtext
- Serialization
- Security inks
- Guilloche
- ..and more

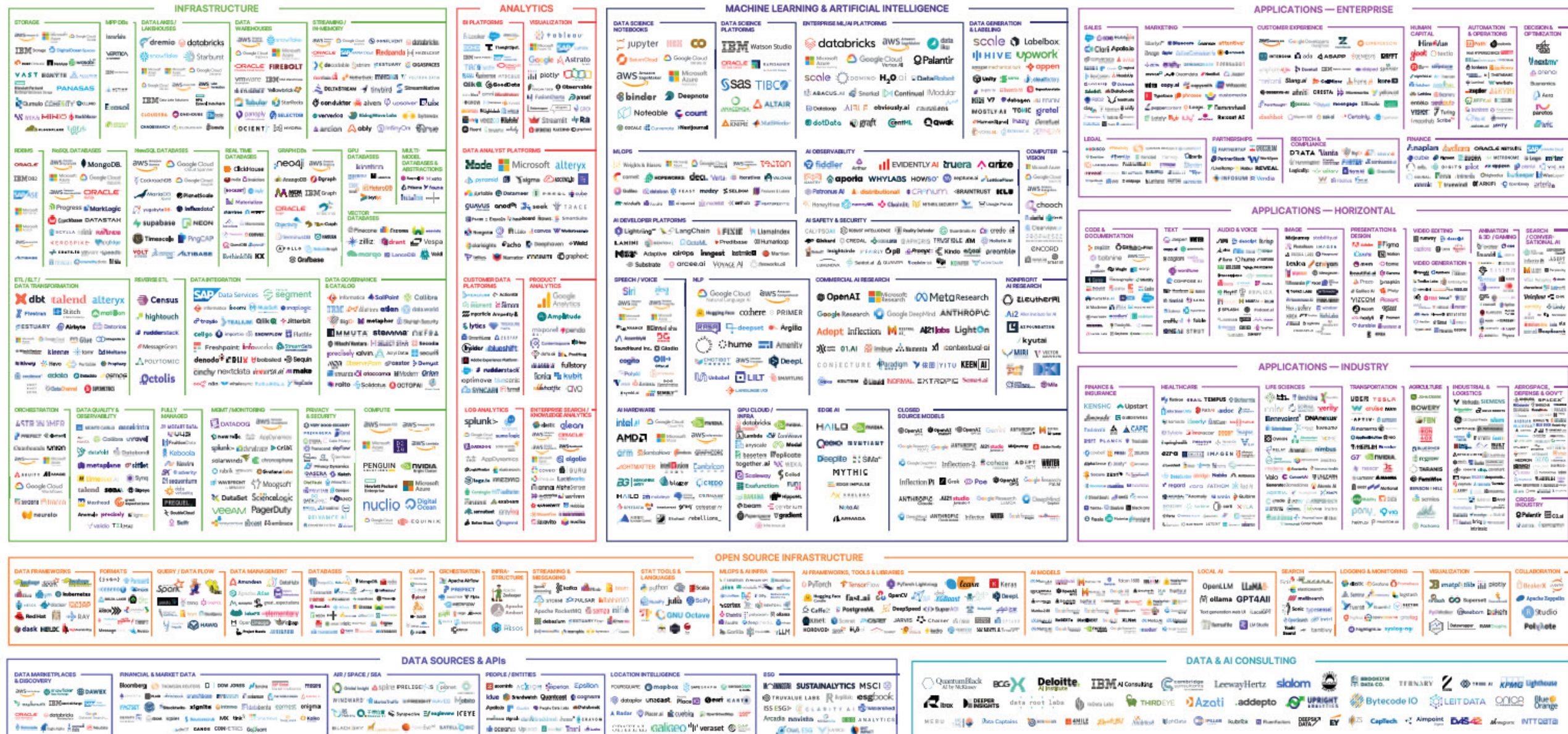
### Folding Cartons

- Cartons
- Blister Packs
- Cards

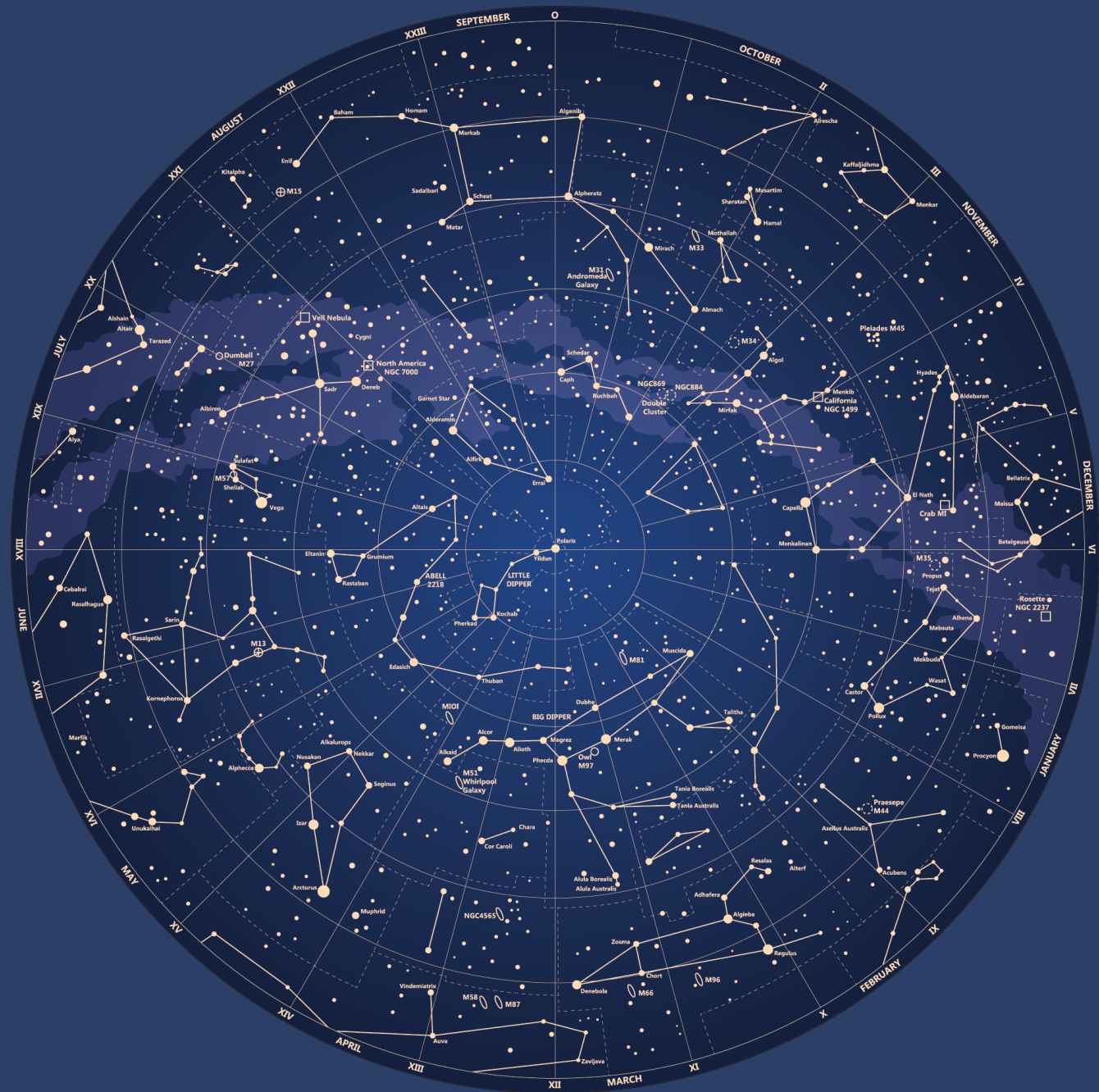




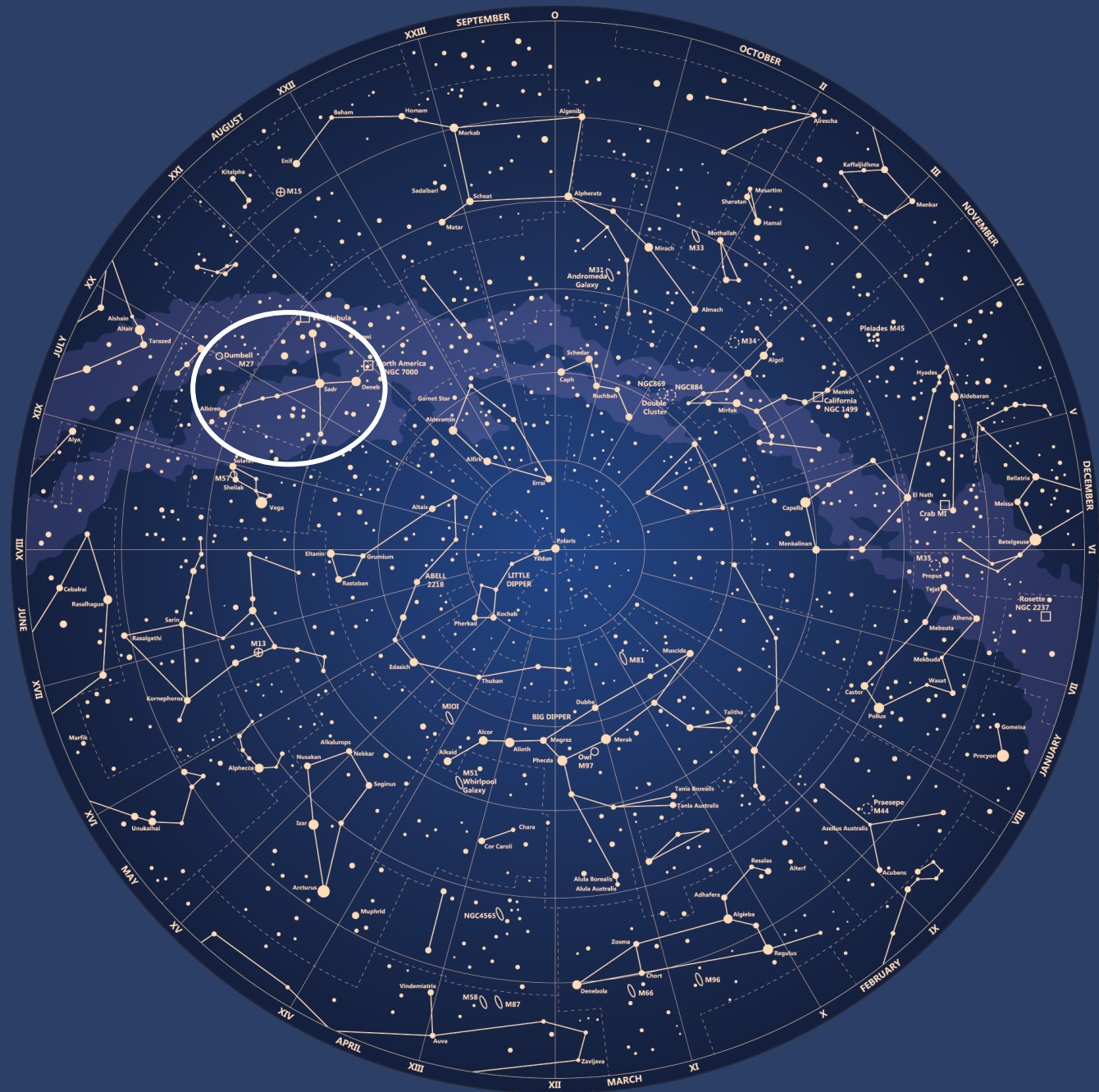
# THE 2024 MAD (MACHINE LEARNING, ARTIFICIAL INTELLIGENCE & DATA) LANDSCAPE













Tabasco.com



למקור <

TABASCO® Brand Green Jalapeno Sauce

במלאי • \*USD \$ 2.49

TABASCO green (jalapeno) Pepper Sauce

\* יש להיכנס לאתר כדי לברר מחיר עדכני וזמינות. ייתכן שהתמונות יהיו כפופות לזכויות יוצרים. מידע נוסף

can you please suggest a 1-2 word slogan for a really hot tabasco sauce?

That's an awesome visual! Here are 10 slogan ideas that match the skull-shaped pepper vibe:

1. Death Drip 💀🌶️
2. Reaper's Heat 🔥💀
3. Ghost Bite 👻🌶️
4. Hell's Skull 🖤💀
5. Inferno Curse 🔥💀
6. Lethal Spice 💀🌶️
7. Skullfire 💀🔥
8. Voodoo Heat 🔥🔮
9. Burn to the Bone 💀🔥
10. Grim Pepper 🌶️💀

Let me know if you want something even more intense! 🔥🔥🔥





Explore

Create

Edit

Personalize New!

Organize

Chat

General Chaos

Prompt Craft

Daily Theme

Newbies

Tasks

Help

Updates

Light Mode

jijimiji

What will you imagine?



Search



X

Imagine Om



A realistic green pepper  
over green background. It  
has a skull stain on its skin.

ar 3:4

Creation Actions

More options

Vary

Subtle

Strong

Upscale

Subtle

Creative

More

Rerun

Editor

Use

Image

Style

Prompt



Home



Creations



Canvas



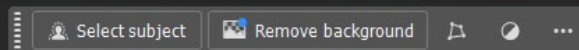
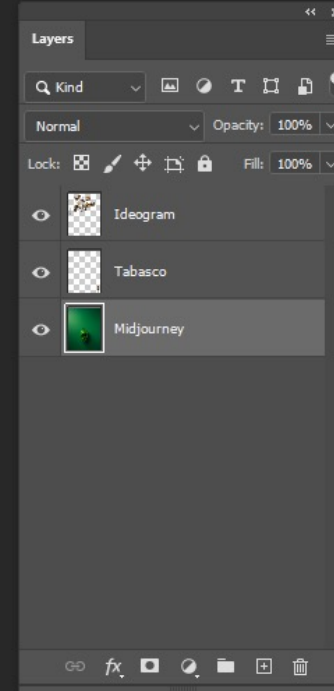
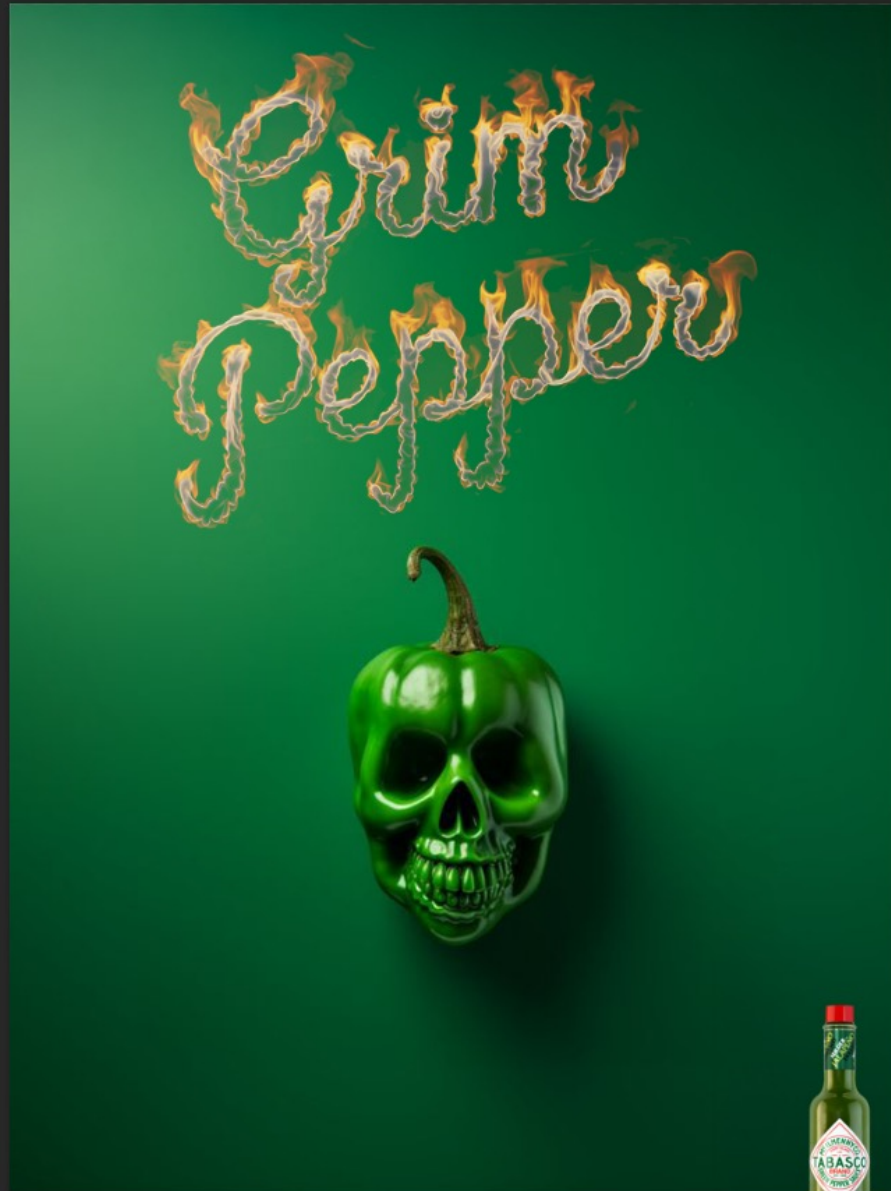
Batch



The text "GRIM PEPPER" written as flames









open late nights









Home



Creations



Canvas



Create a stunning, intricate Christmas-themed pattern that radiates holiday cheer and joy. Include

Generate

⚡ Upgrade



All Pinned Public Private

Everything ▾







New **Variate**

VECT... W 1394 H 929 0

Vector art > [Icons]

a single colorful fish on white background

Extract prompt

3:2 [Slider]

Primitive [Slider]

2 images [Slider]

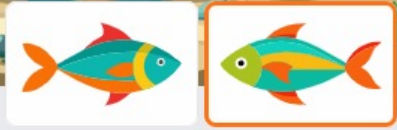
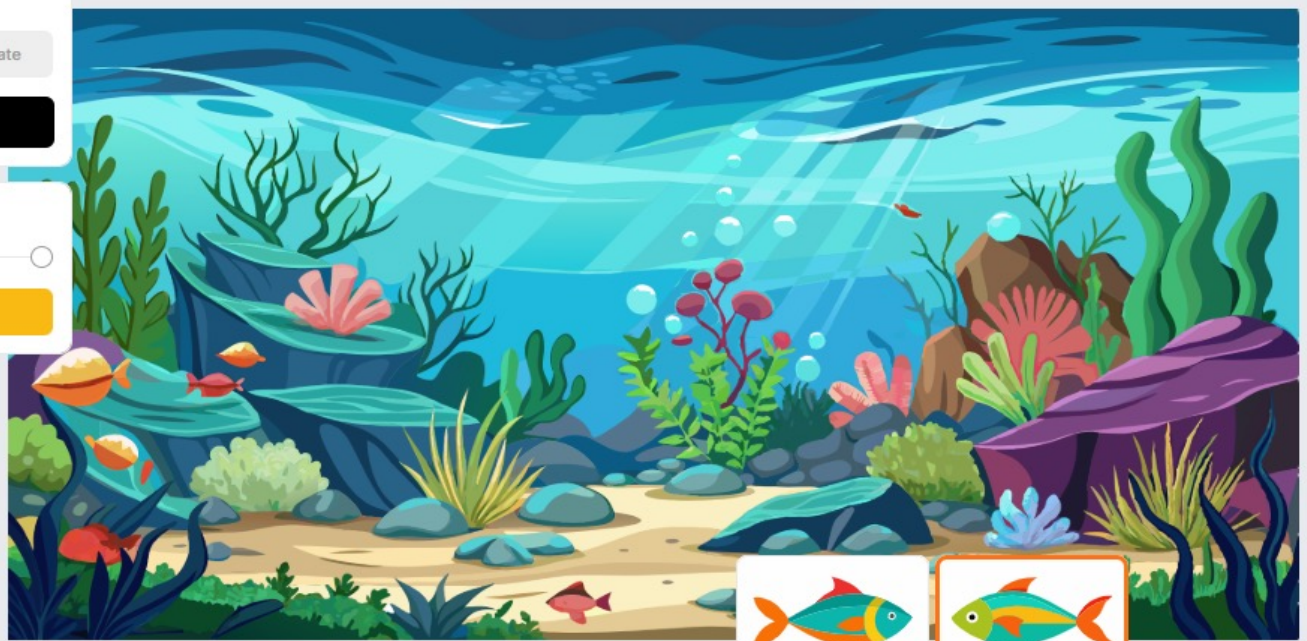
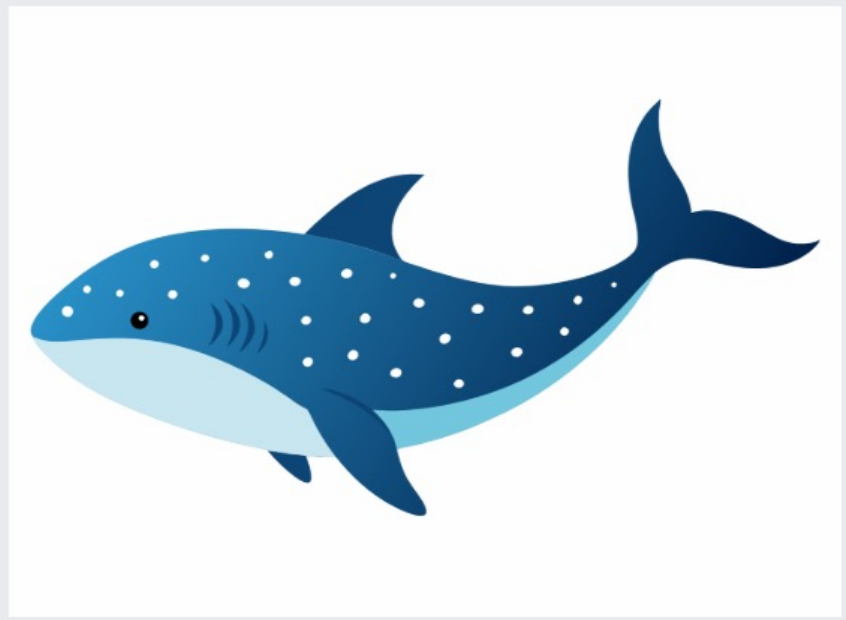
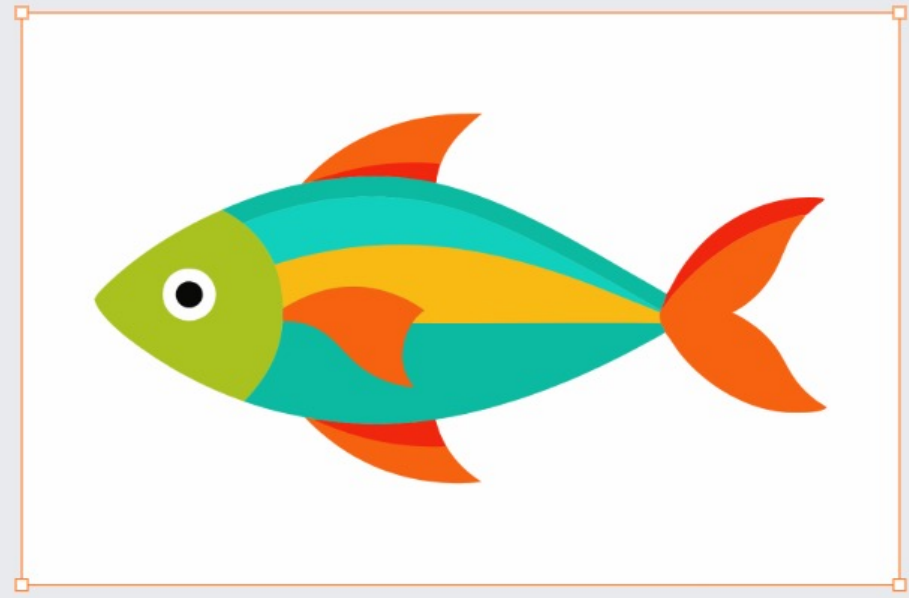
Visibility [Public/Private]

**Recraft**

Number of colors

Colors 8 [Slider]

[Color palette]



Tips and tricks

To undo an action, press Ctrl Z.  
To redo an undone action, press Ctrl ⌘ Z.

Okay!



Elements Folder: C:\Users\bibi\OneDrive - HP Inc\Desktop\Desktop\Reshape Fi...s-500mL\_Vector\DesignerLinks\Nature's Spring Mineral Water



Fish-cluste...

Fish-vector...



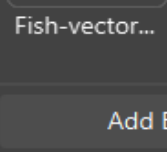
Fish-vector...

Fish-vector...



Fish-vector...

Fish-vector...



Fish-vector...

Add Element

|          |   |   |   |
|----------|---|---|---|
| Quantity | 1 | - | 2 |
|----------|---|---|---|

|         |    |   |   |    |   |
|---------|----|---|---|----|---|
| Scaling | 10 | % | - | 20 | % |
|---------|----|---|---|----|---|

Allow Flip ☐ Horizontal ☐ Vertical

Rotation ☐ None ☐ Free Rotation ☒ Range -30 - 30

### Apply Settings To All Elements

☒ Quantity ☒ Scaling ☒ Allow Flip ☒ Rotation

☒ Shuffle spot colors

☒ From Element ☐ From Set

Element Spots (5/6)

☒ ☐ R=235 G=48 B=45

☐ ☒ R=251 G=202 B=18

✓ ● R=212 G=183 B=20

☒ ● R=4 G=149 B=140

☑️ 🌞 R=247 G=113 B=8

☒ Replace With (10/10)

✓ ● 647D5C

☒ 252A26

☒ ☐ 872237

☒ ☐ A1A1AA

✓ 3F7B7D

Set 1 of 1

**Output Preview (135.8 X 50.0 mm)**



1

Element Layering: Random

Scaling % of Frame

|                                                  |   |   |   |
|--------------------------------------------------|---|---|---|
| <input type="checkbox"/> Total elements quantity | 1 | - | 2 |
|--------------------------------------------------|---|---|---|

☐ Allow image to be cropped by frame

Scattering 

Revert

Cancel

Save

Save As













 **Midjourney Bot** ✓ BOT an aerial shot drawing of a river in a german city with boats floating in the river --ar 2:3 - Image #2 [@Jijimiji](#) 



**Midjourney Bot** ✓ BOT Today at 11:14 AM

**an aerial shot drawing of a river in a german city with boats floating in the river --ar 2:3** - Upscaled (4x) by [@Jijimiji](#)

(Open on website for full quality) (fast)



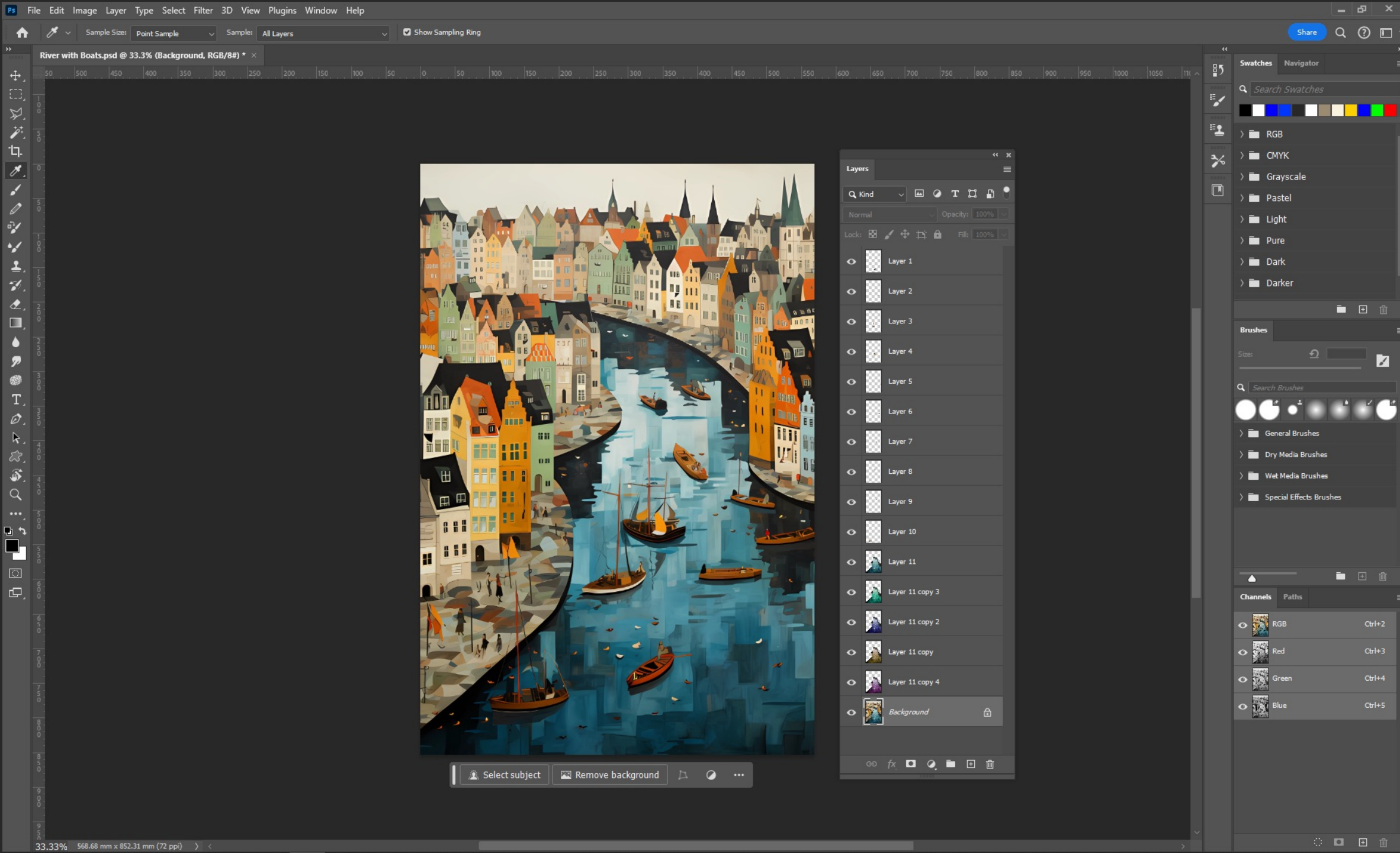
 Redo Upscale (2x)

 Redo Upscale (4x)



Web 











 Current Usage:

955

records used

955 / 10,000,000

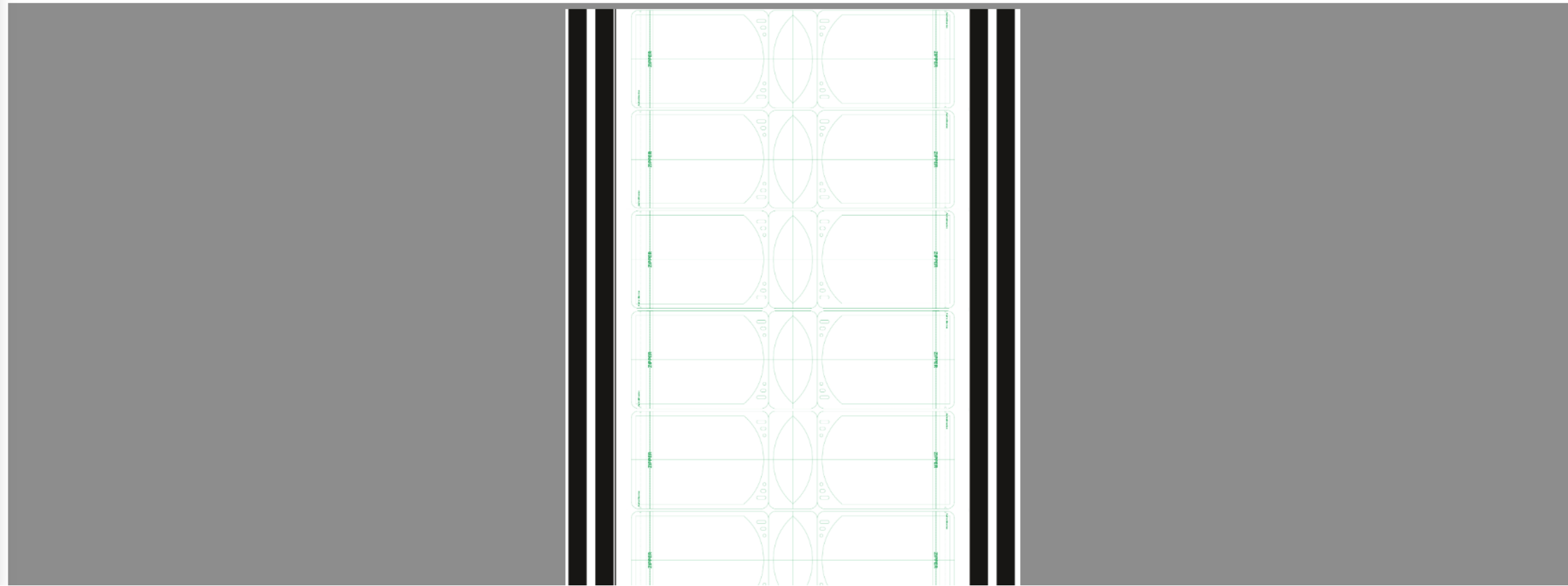
MONTHLY REFRESH

8 Days remaining

Refresh occurs on the 1st of the month  
Increase your records quota in the [Marketplace](#)

Templates ▶ Template ▶ Preview with imposition

Sample L with Text Backside.pdf



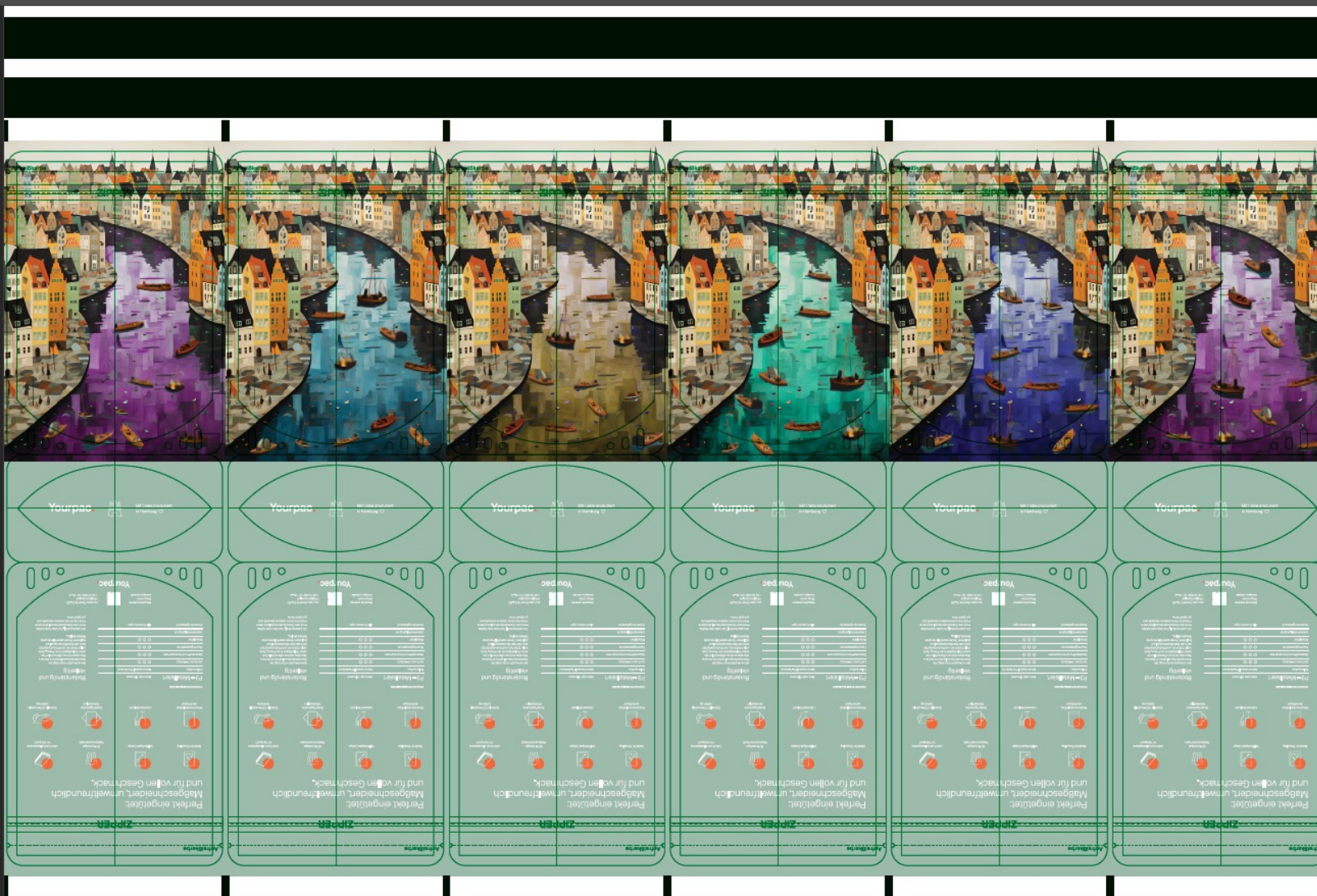


30.5%



## Print Production

Close











Astria.ai



Prompt:

Highly detailed portrait of sks person, rei ayanami from neon evangelion, studio ghibli, stephen bliss, unreal engine, loish, rhads, makoto shinkai and lois van baarle,.







Astria.ai



HER  
FOR SHE

Yaara  
Bibi

92 g





Prompt:

ohwx woman and ohwx man as cyberpunk characters in a new artificial intelligence era. Each of the people is holding a printed colorful sheet of paper with CMYK colors. --multi







5-100855074

IndiaMART > Kids Casual, Ethnic & Western Wear > Kids Wear > Kids Party Wear Dresses

## Lycra SOLID JJ-31 GIRL DRESS GREY COLOR, Age Group: 8-10 Years

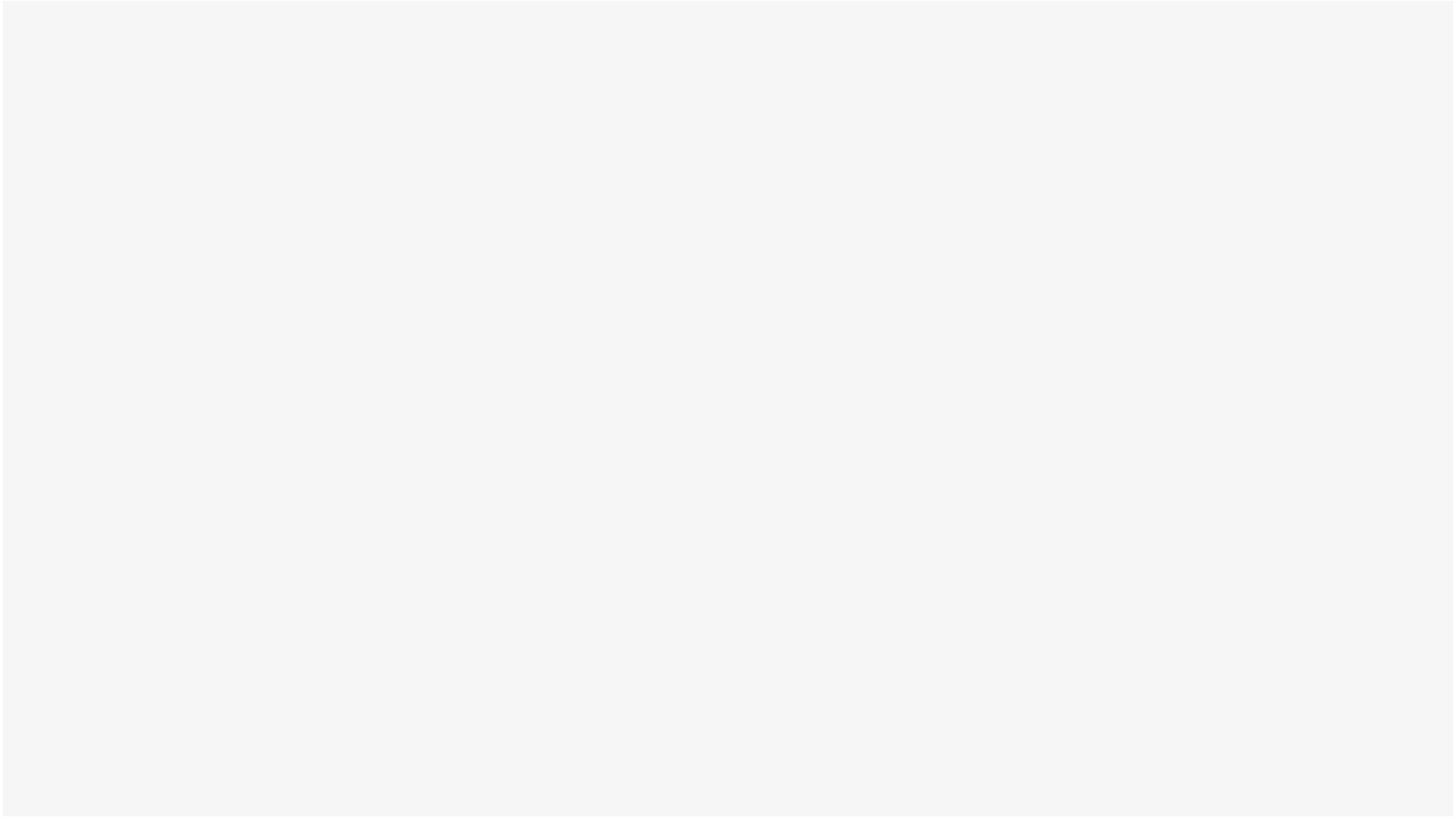
₹ 249/Piece **Currently out of Stock**

|                        |            |
|------------------------|------------|
| Design                 | SOLID      |
| Age Group              | 8-10 Years |
| Gender                 | Girls      |
| Fabric                 | Lycra      |
| Color                  | GREY       |
| Material               | Cotton     |
| Occasion               | Party Wear |
| Pattern                | Plain      |
| Sleeves Type           | Sleeveless |
| Set Contains           | 24 TO 34   |
| Brand                  | JB FASHION |
| Size                   | 6-12 YEAR  |
| Minimum Order Quantity | 20 Piece   |

This unique product serves the purpose which comes in various ranges & varieties and hence fulfills the need of all. Specifically Designed to Ensure that your Little one Lights up every Event as the Happiest

Submit Your Requirement







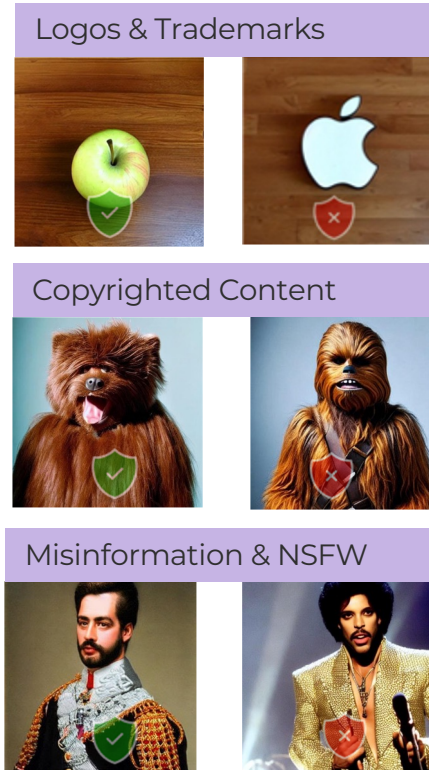
# Solving Safety, Privacy, and Legality

## *From the core*

### Licensed Dataset



### Safety & Privacy



### Attribution & Transparency



Logos only for demonstration purposes



# BRIA Attribution Engine

No Synthetic Data

No Internet Scraping

Reward the data owner

Trained 100% on licensed data

## Generated By BRIA

Created by 73 visuals



### Original Images Rewarded for this Generation



**envato**  
#images:  
**9**



**stockphotos**  
#images:  
**1**



**gettyimages**  
#images:  
**42**



**depositphotos**  
#images:  
**1**



**alamy**  
#images:  
**17**



**freepik**  
#images:  
**1**



**SUPERSTOCK**  
#images:  
**2**





# Controllability & Predictability are the name of the game

01

Bria Text to Image Fast  
Prompt only  
= No consistency



02

Bria Text to Image Fast  
Prompt + Reference image  
= Consistency

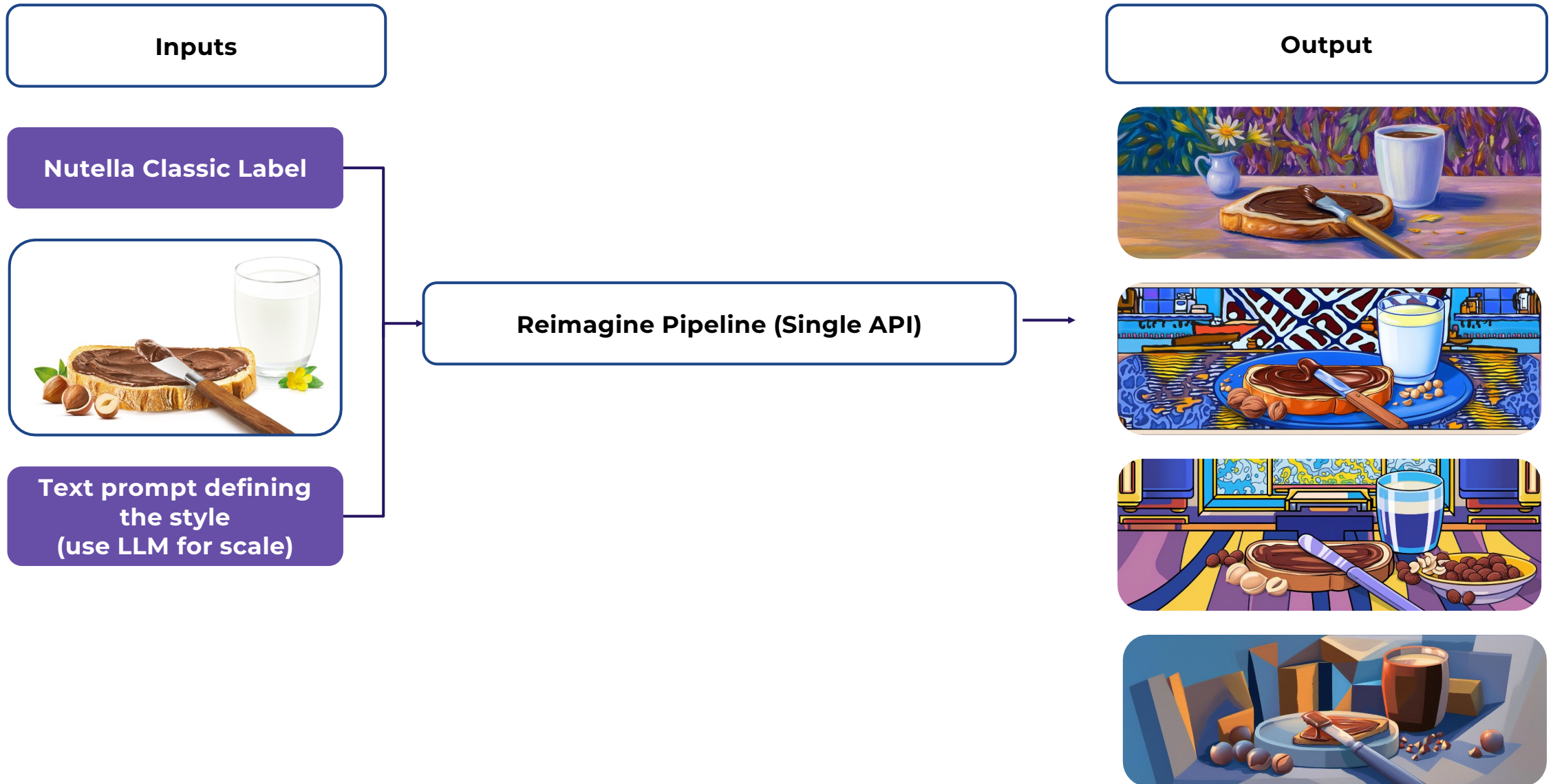


03

Bria Text to Image Fast  
Prompt + Reference image  
+ Tailored Generation  
= Consistency and on-brand



# Restyling at scale with Bria Reimagine



















SCAN HERE TO AMPLIFY  
THE EXPERIENCE



Protected by SCRIBOS uniQR®



**SPECIAL FEATURE:**  
Art designed by A.I.

**MATERIAL:** UPM Rafalac  
COOL WHITE ICE PREMIUM-FSC, a high white,  
uncoated, treated, wood-free paper with wet strength and  
mould proof treatments. This Ice Premium paper offers  
exceptional wet opacity, with minimal discoloration when  
wet, and resists wrinkling due to its excellent moisture  
resistance.  
**INK:** HP Indigo®  
**SOFTWARE:** HP Spark inside HP SmartStream Designer



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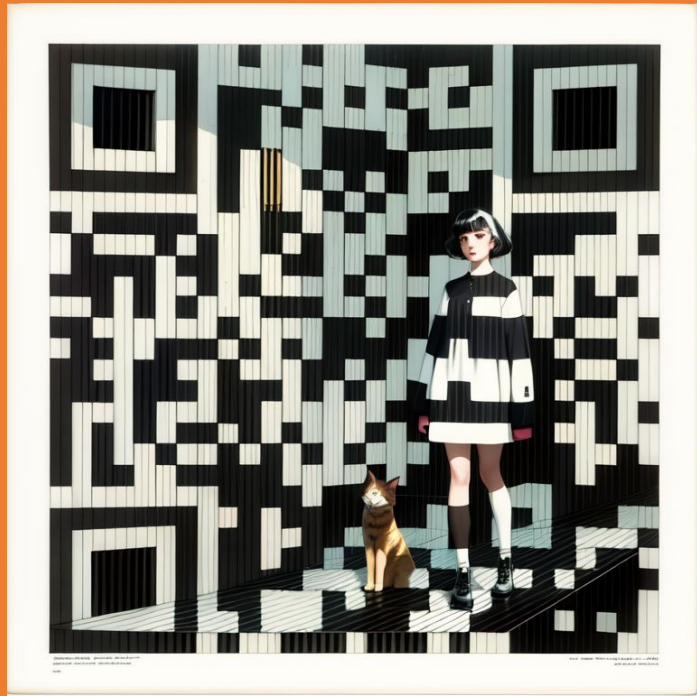


We are here to help you build constellations



A close-up photograph of actor Tom Hanks. He is smiling and waving his right hand. He is wearing a dark suit jacket over a white shirt. The background is out of focus, showing some wooden structures.

T.HANKS!



Guy Bibi  
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